

UPDATED 21.02.2024

LIST OF ACCEPTED PRESENTATIONS

EUROMATH 2024 STUDENT PRESENTATIONS

No	Title, presenters
MP1	<p>THE STABLE MATCHING PROBLEM Zois Pavlos, Karathanasis Panagiotis, Oikonomidis Iordanis, Mastoropoulos Emonas, Papanikolatos Gerasimos, Papaioannou Komninos, Papaioannou Vaggelis Zanneio Model Lyceum of Piraeus, Greece</p>
MP2 4-2-3-1	<p>Konstantinos Charalambous, Antonis Dianellos, Varnavas Hadjipanayis, Andreas Pantelides The GC School of Careers, Nicosia, Cyprus</p>
MP3	<p>BUFFON'S NEEDLE - FINDING A NEEDLE IN A HAYSTACK OR PI IN THE NEEDLES Jingwen Fu The GC School of Careers, Nicosia, Cyprus</p>
MP4	<p>THE GOLDEN RATIO AND HUMAN BEAUTY - A CONTROVERSIAL CONNECTION Angeliki Hadjigregoriou, Xenia Papandreou The GC School of Careers, Nicosia, Cyprus</p>
MP5	<p>UNDERSTANDING WHY YOU ARE A LOSER IN THE STOCK MARKET Peter Han Fei Hong The GC School of Careers, Nicosia, Cyprus</p>
MP6	<p>MATHEMATICS DRIVING SHOTGUN Antonia Kyriakou, Stavros Papacharalambous, Fotini Yiorkadji The GC School of Careers, Nicosia, Cyprus</p>
MP7	<p>MATHS IN FORENSICS Paris Kalorkotis, Mary Mina, Theodora Pamboridou , Omiros Trypatsas The GC School of Careers, Nicosia, Cyprus</p>
MP8	<p>NAVIGATING SKIES AND ROADS Aris Amerikanos, Evelthon Glykys, Sotiris Theofanous The GC School of Careers, Nicosia, Cyprus</p>
MP9	<p>MATHEMATICS BEHIND REFUSE CLASSIFICATION Gong Zilin The GC School of Careers, Nicosia, Cyprus</p>
MP10	<p>SPACE MATHS Stavros Georgiou, Michalis Florides The GC School of Careers, Nicosia, Cyprus</p>

MP11

THE HIDDEN BEAUTY OF MATHS IN ART

Elena Potamiti

The English School Nicosia, Cyprus

MP12

MATH AND GENETICS

Marielena Neophytou

The English School Nicosia, Cyprus

MP13

MATHS AND NATURE

Aigli Josephides Koufterou

The English School Nicosia, Cyprus

MP14

MONEY MATHS

Anna Maria Menelaou, Irene Yianna

The English School Nicosia, Cyprus

MP15

MATHEMATICS BEHIND MUSIC

Marilita Alkiviadi, Egli Michaelidou

The English School Nicosia, Cyprus

MP16

MATHEMATICS, CRYPTOCURRENCIES AND STOCKS

Gerasimos-Georgios Panayides, Chariton Charitonos, Garry Petrossian

The English School Nicosia, Cyprus

MP17

IS IT RANDOM OR IS IT AN ALGORITHM?

Sylia Andreou, Anna Theodorou, Eleana Iacovou

The English School Nicosia, Cyprus

MP18

LOVE AND MATH

Maria Christina Economides, Alexandra Georgiou

The English School Nicosia, Cyprus

MP19

HOW MATHS IS USED IN COSMETOLOGY

Yiolanda Liveri, Nicole Tornaritis, Ellen Apeyitou

The English School Nicosia, Cyprus

MP20

FROM EQUATIONS TO COURTROOMS

Lina Constantinou, Filaretos Ierotheou, Alexandros Tseriotis

The English School Nicosia, Cyprus

MP21

PICTURE PROOFS

Ismeni Gavrielidou, Lia Petrou

The English School Nicosia, Cyprus

MP22

THE MATH BEHIND AI MAGIC

Aglaia Patsalides

The English School Nicosia, Cyprus

<p>MP23 THE MATHS BEHIND DOBBLE Anna Rouva, Maria Michael The English School Nicosia, Cyprus</p>
<p>MP24 THE NATURE OF MATHEMATICS Artemis Demetriade, Nefeli Diaouri, Despoina Markidou The English School Nicosia, Cyprus</p>
<p>MP25 THE SCIENCE OF EATING Antrea Iacovou, Stephanie Kremmou The English School Nicosia, Cyprus</p>
<p>MP26 THE UNIVERSAL EQUATION Margarita Mita, Sophia Anastasi The English School Nicosia, Cyprus</p>
<p>MP27 WHICH IS THE BEST TEAM IN THE PREMIER LEAGUE? Andreas Anastasi The English School Nicosia, Cyprus</p>
<p>MP28 CAN MATHEMATICS WIN AT MAFIA? Riana Georgiadi, Theodora Constantinou The English School Nicosia, Cyprus</p>
<p>MP29 FOOTBALL AND ITS MATHEMATICS Maximos Yiasemides, Andreas Chimarides, Iacovos Malekkos The Senior School, Nicosia, Cyprus</p>
<p>MP30 PURRPLEXING ENCLOSURE – THE STORY OF A HIDING CAT Constantinos Michaelas, Leonidas Thanh Ikossi Le, Raphael Son Ikossi Le The Senior School, Nicosia, Cyprus</p>
<p>MP31 WHY ARE KNOTS MORE THAN JUST KNOTS? Ekaterina Frolova The Senior School, Nicosia, Cyprus</p>
<p>MP32 WAR OF GEOMETRIES Viktoria Branimirova Nacheva , Valentin Georgiev Gadzhelov, Simeon Nedyalkov Nikolov, Tzveta Georgieva Dzhevelekova 125th Secondary School "Boyan Penev", Sofia, Bulgaria</p>
<p>MP33 JUNG'S THEOREM IN THE PLANE AND THE 3-D SPACE Boris Stanislavov Kostadinov 125th Secondary School "Boyan Penev", Sofia, Bulgaria</p>
<p>MP34 MATHCHESS Borislav Stefanov Fidanov, Maxim Plamenov Marinov 125th Secondary School "Boyan Penev", Sofia, Bulgaria</p>

MP35

THROW AND HOLD

Hristo Kostadinov Kostadinov
125th Secondary School "Boyan Penev", Sofia, Bulgaria

MP36

STEINER-LEMUS THEOREM

Ivan Valentinov Filipov
125th Secondary School "Boyan Penev", Sofia, Bulgaria

MP37

THE JOKES OF INFINITY

Ivaylo Antonov Dragovski
125th Secondary School "Boyan Penev", Sofia, Bulgaria

MP38

QUICK MINDSET

Kaloyan Danielov Geshev
125th Secondary School "Boyan Penev", Sofia, Bulgaria

MP39

DIDO'S PROBLEM

Nikola Stanislav Vasilev
125th Secondary School "Boyan Penev", Sofia, Bulgaria

MP40

POLYHEDRA

Tsvetina Tsvetislavova Antova, Selina Alper Aleytin
125th Secondary School "Boyan Penev", Sofia, Bulgaria

MP41

MATHEMATICS AND AIRPLANE CRASHES

Petra Bušljeta, Gabrijela Kozelički, Anika Lučić, Nika Tomljanović
Prva Riječka Hrvatska Gimnazija, Rijeka, Croatia

MP42

MATHEMATIC PLANE TILES

Eva Pavlović, Petra Požgaj
Gimnazija "Fran Galović" Koprivnica, Croatia

MP43

UNRAVELING THE COASTLINE MYSTERY: A JOURNEY INTO FRACTAL GEOMETRY

Tsianakas Dimitrios Romanos, Pavlos Emmanouil Kontrafouris, Angelos Kosmas Lialios, Masouras Georgios, Mazonakis Georgios, Ioannis Georgios Papandreou
I.M.Panagiotopoulos School, Greece

MP44

TRUTH OR DARE?

Ioannis Vogiatzis, Chara Pantazopoulou, Christina Logothesi, Michalis Ligkas Kaplanis, Kontantinos Kallergis, Pantelis Stefanou
I.M.Panagiotopoulos School, Greece

MP45

ARE YOU A CHESS MASTER?

Ioannis Patelis, Kallirroï Politou, Polyxeni Nikolakopoulou, Nikolaos Kanellopoulos, Vasileios Foteineas
I.M.Panagiotopoulos School, Greece

MP46

IS SUBTRACTION A LIE? LET'S DIVE INTO IT!

Alkinoos Alexopoulos, Michail Kallergis, Marilia Kazalaki, Alexandros Koutroumpis, Anastasia Bintza, Theodora Bintza, Georgia Tsatsaroni
I.M.Panagiotopoulos School, Greece

MP47

ALL ROADS LEAD TO ROME: HOW MUCH MATH IS REQUIRED TO NAVIGATE US FROM ATHENS TO ROME?

Alkinoos Alexopoulos, Michail Kallergis, Marilia Kazalaki, Alexandros Koutroumpis, Anastasia Bintza, Theodora Bintza, Georgia Tsatsaroni
I.M.Panagiotopoulos School, Greece

MP48

MEASURE WITHOUT A RULER: A HISTORICAL OVERVIEW AND COMPARATIVE STUDY

Maria Mixalakea, Aggeliki Mixalakea, Panagiota Mpsanou, Eleni Veroniki Gavriil, Alkmini Alexopoulou, Loukas Nikas
I.M.Panagiotopoulos School, Greece

MP49

EXPLORING PATTERNS TO UNDERSTAND NUMBERS: A MULTIFACETED APPROACH

Alkmini Alexopoulou, Loukas Nikas, Aggeliki Mixalakea, Maria Mixalakea, Panagiota Mpsanou, Eleni Veroniki Gavriil
I.M.Panagiotopoulos School, Greece

MP50

THE PROBLEM OF THE WORLD HUNGER

Nikolina Markovic, Svetlana Rsumovic
High School "Sveti Sava", Serbia

MP51

JOURNEY THROUGH THE HISTORY OF CROATIAN SCIENCE

Laura Sabljak, Lea Tomak, Larisa Žeželj
Prva Riječka Hrvatska Gimnazija, Rijeka, Croatia

MP52

A PLANNED SUMMER

Sirya D'errico, Davide Rota
ISIS "Europa", Italy

MP53

MATHEMATICS IN ANCIENT EGYPT: UNVEILING THE GEOMETRIC ELEGANCE OF THE NILE CIVILIZATION

Eleni Antoniou, Augoustina Theodoridou, Aggelos Kleanthous, Paris Zamboglou, Ermini Demou, Christina Christodoulou
PASCAL Secondary School, Lemesos, Cyprus

MP54

"THE GOLDEN RATIO: UNVEILING ITS UNIVERSAL SYMMETRY FROM FACES TO DNA"

Theodora Timini
Pascal Private English School, Nicosia, Cyprus

MP55

WHY ARE MUSICIANS GOOD AT MATHEMATICS?

Nicoletta Vaki
The Grammar School, Nicosia, Cyprus

MP56

LIFE IN A BILLIONTH OF A NUTSHELL

Antonis Tymvios

The Grammar School, Nicosia, Cyprus

MP57

CAN YOU SPIN FOREVER? THE ART OF BALLET AND MATHEMATICS

Ourania Niki Shiaka, Laura More Charalampous

The Grammar School, Nicosia, Cyprus

MP58

CUDDLY KILLERS; CAN THE POPULATION OF STRAY CATS INFLUENCE THE ENTIRE ECOSYSTEM?

Mary Isabelle Tanousis

The Grammar School, Nicosia, Cyprus

MP59

THE CLEVER OLD MAN AND THE RIVER

Qiyue Angel Wang

The Grammar School, Nicosia, Cyprus

MP60

THE P-ADICS NUMBERS: A MATHEMATICAL JOURNEY

Titouan Roger

Lycée Français Charles Lepierre, Lisboa, Portugal

MP61

COLOUR THEORY AND MATHS

Marina Mavros

Med High Private English School, Larnaca, Cyprus

MP62

UNRAVELING THE DEPTHS OF COFFEE

Maria Karevina

Med High Private English School, Larnaca, Cyprus

MP63

FRACTALS

Gracie Chalhoub, Yali Vaknin, Mykyta Kryvyi, Maria Gryshko

Med High Private English School, Larnaca, Cyprus

MP64

MATH IN A HEART BEAT

Elis Raif, Shana Ghossoub, Sevgi Sokmez

Med High Private English School, Larnaca, Cyprus

MP65

MATHEMATICS IN RHYTHMIC GYMNASTICS

Dariia Khudobiak

Med High Private English School, Larnaca, Cyprus

MP66

HOW GAMES CHANGE YOUR LIFE

Ekaterina Lomakina

Med High Private English School, Larnaca, Cyprus

MP70

THE INEFFABLE OF ROOT TWO

Filoxenidis Stavros-Loukas

Doukas School, Athens, Greece

<p>MP71 CITYSCAPES AND NATURE'S SYMPHONY: THE UNATTAINABLE HARMONY OF BIOMIMICRY Kounatidis Stavros, Kiosis Antonis De La Salle College, Thessaloniki, Greece</p>
<p>MP72 HOW THE HOUSE ALWAYS WINS: DECODING CASINO MATHEMATICS Christina Trontziou, Theodoros Stefanidis De La Salle College, Thessaloniki, Greece</p>
<p>MP73 NON-EUCLIDEAN GEOMETRY Sofia Andrusenko 9-V Class, Ukrainian College No. 272, Kyiv, Ukraine</p>
<p>MP74 THE FOUR-COLOR THEOREM Victoria Avgoustinou, Iason Georgilidakis, Eleni Ioanna Maragaki, Regina Neroutsou Europaiko Prototypos, Athens, Greece</p>
<p>MP75 PASCAL'S TRIANGLE Antonios Karikas Pierce- The American College of Greece, Athens, Greece</p>
<p>MP76 THE BRIDGE AND THE FOUR GUARDS Kougianos Konstantinos, Dimitris Vourlokas, Manos Daskalakis, Michalis Trakas Erasmios Hellenic German School, Athens, Greece</p>
<p>MP77 THE DALTONS' GREAT ESCAPE Aspasia Natsoulidou, Nikolaos Armonis, Philipos Dendrinis, Athina Vouvouna Erasmios Hellenic German School, Athens, Greece</p>
<p>MP78 MORE THAN ENOUGH SNACKS Magdalini Georgiadi, Maximos Edouardos Minopetros, Anastopoulos Filippou Erasmios Hellenic German School, Athens, Greece</p>
<p>MP79 MOSER'S CIRCLE PROBLEM AND PASCAL'S TRIANGLE Aggelos Pandoulas, Dinos Papathanasiou, John Logothetis The Moraitis School, Athens, Greece</p>
<p>MP80 FRACTALS: DIMENSION AND PATTERNS IN CHAOS Lydia Kratsa, Alexia Argyri, Danae Valtara The Moraitis School, Athens, Greece</p>
<p>MP81 DECODING THE MAP COLOURING MYSTERY: A CENTURY LONG QUEST FOR THE FOUR-COLOUR THEOREM'S PROOF AND ITS FURTHER APPLICATIONS Kiran Lavett Pascal Private English School, Nicosia, Cyprus</p>
<p>MP82 FRACTALS UNVEILED: NATURE'S HIDDEN PATTERNS AND CHAOTIC SYMMETRY Christiana Panayiotou Pascal Private English School, Nicosia, Cyprus</p>

<p>MP83 EGYPTIAN FRACTIONS AND METHODS OF WRITING A FRACTION, AS EGYPTIAN FRACTIONS Nahal Mannani Vadgard Skole, Copenhagen, Denmark</p>
<p>MP84 PROVIDE APPROPRIATE METHODS FOR CALCULATING INFINITE FRACTIONS Seyedeh Elisa Hashemi Shahede Narges, Zanjan, Iran</p>
<p>MP85 FINDING THE REMAINDER OF DIVIDING POWER NUMBERS BY A NUMBER USING MODULAR ARITHMETIC Diana Mannani Gxu, Copenhagen, Denmark</p>
<p>MP86 PRESENTING A NEW AND CLASSIFIED METHOD TO FIND THE GENERAL SENTENCE OF NUMERICAL PATTERNS Shayan Hasani Iranian, Zanjan, Iran</p>
<p>MP88 READ CHANGES: ANALYSIS OF LOSING WEIGHT ON A DIET Mina Park, Minho Park Saint Johnsbury Academy Jeju, South Korea</p>
<p>MP89 WHY YOU CAN'T DEVIDE BY ZERO Rok Felicijan, Jaša Stopar SŠ Domžale, Slovenia</p>

EUROSCIENCE 2024 STUDENT PRESENTATIONS

No	Title, presenters
SP1	<p>A JOURNEY BEYOND: A ROCKETS FLIGHT TO OUTER SPACE Antonis Christodoulou, Nicholas Christodoulou, Antonis Tymvios The Grammar School, Nicosia, Cyprus</p>
SP2	<p>AUSSIE AIRWAVES: RIDING THE PHYSICS WAVE OF BOOMERANG FLIGHT Anastasia Pitsillidou The Grammar School, Nicosia, Cyprus</p>
SP3	<p>WHAT MAKES LIFE POSSIBLE ON A PLANET Eva Toxqui The Grammar School, Nicosia, Cyprus</p>
SP4	<p>UNLOCK LUCIDITY: A GATEWAY TO DREAM CONTROL Anna Loizou, Andriana Charalambous, Markos Ioannou The Grammar School, Nicosia, Cyprus</p>

<p>SP5 THE STUDY OF EARTH'S MAGNETIC FIELD: IT'S PROPERTIES AND IT'S LINK TO MIGRATION Maria Andrea Papachristou, Maria Dorzi The Grammar School, Nicosia, Cyprus</p>
<p>SP6 THE FORMATION OF SEASHELLS. IS IT RANDOM? Stavros Larmou The Grammar School, Nicosia, Cyprus</p>
<p>SP8 SEISMIC IMPACT ON DIFFERENT BUILDING STRUCTURES Aimilios Papasotiriou The GC School of Careers, Nicosia, Cyprus</p>
<p>SP9 TASTING MOLECULES Sotia Koukou, Konstantinos Patinios, Anastasia Stylianidi The GC School of Careers, Nicosia, Cyprus</p>
<p>SP10 MASTER MANIPULATORS: PARASITES, THEIR EFFECTS AND IMPORTANCE Kalia Lefkati The GC School of Careers, Nicosia, Cyprus</p>
<p>SP11 EXPLOITING OXIDATIVE STRESS FOR NON-INVASIVE TUMOUR TREATMENT Iolie Demetriou, Marileni Iacovides, Andriana Kyprianou The GC School of Careers, Nicosia, Cyprus</p>
<p>SP12 MAKING IONISING RADIATION VISIBLE Antonis Pissarides The GC School of Careers, Nicosia, Cyprus</p>
<p>SP13 ROCKETS Orfeas Marios Kladeftiras, Evangelos Pitsillis The GC School of Careers, Nicosia, Cyprus</p>
<p>SP14 UNRAVELING THE AERODYNAMICS OF PAPER AIRPLANES Angelos Christoforou, Theocharis Karatsiolis, Aris Papallis, Andreas Stylianou The GC School of Careers, Nicosia, Cyprus</p>
<p>SP15 UNVEIL THE SECRETS OF SCIENCE TOWARDS A BETTER FUTURE Maria Ioannou, Olivia Kattou, Antonia Kyriakou The GC School of Careers, Nicosia, Cyprus</p>
<p>SP16 HARVESTING ELECTRICITY FROM PLANTS Evalena Papadopoulou The GC School of Careers, Nicosia, Cyprus</p>
<p>SP17 TIME TRAVELLING Marcos Pitsillides, Michail Kravets, Andreas Roderich Kyrykos The Senior School, Nicosia, Cyprus</p>

<p>SP18 THE AMAZING WORLD OF 3D GLASSES Ariel Makri Levy The Junior & Senior School, Nicosia, Cyprus</p>
<p>SP19 SPACE JUNK Ioannis Episkopou, Roma Theocharides, Veronica Kalyvitou The Senior School, Nicosia, Cyprus</p>
<p>SP20 BREAK IT DOWN & RECONSTRUCT IT Ioannis Ivan Symeonides, Matheos Gedeon, Polina Lebedeva The Senior School, Nicosia, Cyprus</p>
<p>SP21 WHY A TENNIS RACKET'S SHAPE AND MATERIAL MATTER? Zoe Xirogiannopoulou Doukas School, Athens, Greece</p>
<p>SP26 HOW DO AIRPLANES FLY? Eleni Zantidou The Grammar School, Nicosia, Cyprus</p>
<p>SP28 UNRAVELLING THE MYSTERIES OF STEM CELLS Naomi Gerber, Odysseas Pavlou, Noa Phil Med High Private English School, Larnaca, Cyprus</p>
<p>SP29 THE HEARTBEAT-CLOCK CONNECTION Romy Haddad, Sofia Hadjikleanthous Med High Private English School, Larnaca, Cyprus</p>
<p>SP30 MUNCHAUSEN BY PROXY Olga Georgiou Med High Private English School, Larnaca, Cyprus</p>
<p>SP31 WHAT LIFE LOOKS LIKE IN DIFFERENT BIOMES Mohamed Ben Zerti Med High Private English School, Larnaca, Cyprus</p>
<p>SP32 LYE AIN'T LIE Sofia Arampatzi, Leonidas Giachanatzis, Efthalia Eirini Delistavrou De La Salle College, Thessaloniki, Greece</p>
<p>SP33 WHAT OCCURS IN THE BRAIN OF A BULLY AND A SERIAL KILLER: A BIOLOGICAL PERSPECTIVE AND THE SIGNIFICANCE OF EMOTIONAL INTELLIGENCE Nikoletta Chanoumidou, Aikaterini-Maria Tzika De La Salle College, Thessaloniki, Greece</p>
<p>SP34 COMPARE ELECTROLYTES IN ENERGY DRINKS TO FRESH AND CONCENTRATED ORANGE JUICE Anthi Amanatidou, Fevronia Beli De La Salle College, Thessaloniki, Greece</p>

<p>SP35 TIDE, AN IMPRESIVE NATURAL PHENOMENON Victoria Vamvakari, Despoina Samara De La Salle College, Thessaloniki, Greece</p>
<p>SP36 CREATIVITY AND MENTAL ILLNESS Maria Ioanna Athanasopoulou, Aimilia Raditsi, Konstantinos Ntompros, Aimilios Oikonomidis De La Salle College, Thessaloniki, Greece</p>
<p>SP37 LIDAR TECHNOLOGY: UNVEILING THE DEPTHS OF PRECISION Stavros Orestidis, Melina Triantafillou, Alexandros Manaos De La Salle College, Thessaloniki, Greece</p>
<p>SP38 ACTIVITY OF VITAMIN C AND OF ITS SUBSTITUTES Pasmatzki Katerina, Manola Sophia De La Salle College, Thessaloniki, Greece</p>
<p>SP39 ANTIBIOTIC RESISTANCE Vasilena Georgieva Chakarova 125th Secondary School "Boyan Penev", Sofia, Bulgaria</p>
<p>SP40 SLIME MOLD Lachezar Orlinov Ivanov 125th Secondary School "Boyan Penev", Sofia, Bulgaria</p>
<p>SP41 CENTER OF MASS OF IRREGULAR POLYHEDRA Tsvetina Tsvetislavova Antova, Selina Aleper Aleytin, Rumen Yulianov Rumenov 125th Secondary School "Boyan Penev", Sofia, Bulgaria</p>
<p>SP42 SMART WASTE MANAGEMENT Tekla Bandzeladze*, Demetre Artsividze**, Mete Kilinc***, Mahmoud Ala'a Mahmoud Tayyeb**** *American International School Progress, Tbilisi, Georgia, ** Telavi King Erekle II Public School N1, Kakheti, Georgia, *** American International School Progress, Tbilisi, Georgia, **** American International School Progress, Tbilisi, Georgia</p>
<p>SP43 THE EFFECT OF CLIMATE CHANGE ON GEORGIAN REGIONS Helya Kamali, Petr Perekorenko, Lizi Tkebuchava, Aishwarya George Menachery American International School Progress, Tbilisi, Georgia</p>
<p>SP44 ION THRUSTER Kampanis Konstantinos, Maniotis Dimitris, Kalochristianakis Harry Pierce – The American College of Greece, Athens, Greece</p>
<p>SP45 HOW A DIFFERENT FIELD OF GRAVITY CAN AFFECT A LIVING ORGANISM? Charisopoulos George, Katsimichas Thalys, Lagogianni Foteini, Petropoulos Giannis, Vonatsou Nicole Pierce – The American College of Greece, Athens, Greece</p>

<p>SP46 HOW TO FIND WHICH BASKETBALL PLAYER CAN GO PRO? Pavlos Minas Kotsis, Angelos Kyriakidis Mpimpas, Emmanouhl Koukos Pierce – The American College of Greece, Athens, Greece</p>
<p>SP47 THE INFLUENCE OF THE GRAVITIES ALL AROUND THE SOLAR SYSTEM Borna Vazdar, Erik Markovčić Gimnazija «Fran Galović», Koprivnica, Croatia</p>
<p>SP48 OLIGODYNAMIC PROPERTY OF SILVER Leonarda Marjanović Gimnazija «Fran Galović», Koprivnica, Croatia</p>
<p>SP49 DARK MATTER AND DARK ENERGY Lovro Golubić, Ivano Miloš Gimnazija «Fran Galović», Koprivnica, Croatia</p>
<p>SP50 CRISPR – TO (NOT) BE HUMAN Luka Kiš Gimnazija «Fran Galović», Koprivnica, Croatia</p>
<p>SP51 RESONANCE Petra Kovačević, Janko Suton Gimnazija «Fran Galović», Koprivnica, Croatia</p>
<p>SP52 THE RACE AGAINST DRAG: THE ART OF PHYSICS IN FORMULA 1 Desislava Markova*, Meriem Fereva** Valeria Topalova *, **American College of Sofia, Bulgaria, ***National Gymnasium of Natural Sciences and Mathematics "Academician Lyubomir Chakalov"</p>
<p>SP53 LOAD SIMULATION ANALYSIS ON VEHICLE-BRIDGE INTERACTION PARAMETERS FOR DYNAMIC AMPLIFICATION AND BEAM BRIDGE PERFORMANCE Yoana Troeva, Svetoslav Ivanov American College of Sofia, Bulgaria</p>
<p>SP54 FUTURE UNDERWATER CITIES Silvana Lia Aprile, Davide Rota ISIS "Europa", Italy</p>
<p>SP55 LESS SNACK MORE STEP Fausto De Iesu, Sirya D'Errico ISIS "Europa", Italy</p>
<p>SP56 DISCOVERY AND STUDY OF SOME BENEFICIAL BACTERIA AND FUNGI IN DAMBALKHACHO (MOLDY CHEESE) Anastasia Matchavariani, Bagrat Kharashvili, Ani Goduadze №63 Public School, Georgia</p>

<p>SP57 BIAS IN ARTIFICIAL INTELLIGENCE Leon Gkougkoulias 1st Gymnasium of Papagos, Greece</p>
<p>SP58 THE FUTURE OF HUMANITY AND ARTIFICIAL INTELLIGENCE Tevdore Namgaladze, Niko Firosmanis Saint King Tamar Gymnasium of the Patriarchate, Georgia</p>
<p>SP59 THE SCIENCE BEHIND MENTAL DISORDERS Gaia Nufusi Levent College, Nicosia, Cyprus</p>
<p>SP60 UNLEASHING POSSIBILITIES: OUR ROBOTIC ARM PROJECT Denaxa Lida Maria, Sougiannis Anastasios Marios, Spyridakis Georgios, Tsakagianni Iefstathia-Ilektra I.M.Panagiotopoulos School, Greece</p>
<p>SP61 UNLEASHING POSSIBILITIES: OUR SCHOOL VOICE ASSISTANT Evangeliou Alexandra, Evangeliou Georgios, Giotis Orestis, Stavridis Marios, Stavroulidakis Antonis I.M.Panagiotopoulos School, Greece</p>
<p>SP62 CARBON AROUND US Silvana Lia Aprile, Fausto De Iesu ISIS "Europa", Italy</p>
<p>SP63 THE GALILEAN TELESCOPE Nadia Gharaibeh, Ghazal Hamdan, Maya Constantinou Med High Private English School, Larnaca, Cyprus</p>
<p>SP64 HOW CAN AIRPLANES FLY MORE SAFELY? Chanmin Kim Yongsan International School of Seoul, South Korea</p>
<p>SP65 DARK ENERGY AND DARK MATTER Kim Doyun, Kim Jiwan O-sung Middle School, South Korea</p>
<p>SP66 WHICH PAPER AIRPLANE WILL GO THE FURTHEST? PAPER AIRPLANES AND BERNOULLI'S PRINCIPLE? Gaon Lee Shepherd International Education, South Korea</p>
<p>SP67 THE MYSTERY OF VIBRATIONS: UNDERSTANDING RESONANCE Donghun Park, Hyeonwoo Kyon, DongMin Lee Osung Middle School, South Korea</p>

SP68

A STUDY ON THE FACTORS AFFECT THE QUALITY OF SLEEP

Jaemin Ryu*, Jungwoo Lee**

*St. Johnsbury Academy Jeju, South Korea, **Uchon Elementary School, Seoul, South Korea

SP69

WHAT HAPPENS WHEN MUSCLE GROWS?

Jimin Shin, Yuhyun Nam, Jiyul Lee

Cornerstone Collegiate Academy of Seoul, South Korea

SP70

UNEXPECTED TRAVELER: VIRUS. GLOBAL WARMING ALLOWS VIRUSES TO GO ANYWHERE AT ANY TIME

Luke Chae, Clara Choi, Elly Kim

St. Johnsbury Academy Jeju, South Korea

SP71

UNVEILING THE POTENTIAL OF ARTIFICIAL SUN AND THE EVOLUTION OF ATOMIC THEORY

Daniel Chae, Hayun Park

St. Johnsbury Academy Jeju, South Korea

SP72

COLOR PERCEPTION AND LIMITS

*Jaewon Lee, **Yehryeng Hong, ***Seoyoon Moon, ****Hajoon Lee

Cornerstone Collegiate Academy of Seoul, South Korea

****Saint Paul Academy Daechi, Seoul, South Korea

SP73

WHAT WOULD HAPPEN IF YOU FELL INTO A BLACKHOLE?

Tia Son, Bella Yang, Aiden Kim, Tero Kim

Shepherd International Education, South Korea

SP74

THE INFLUENCE OF TEMPERATURE ON VOLUME

Seojun Park

Branksome Hall Asia, Seogwipo City, Jeju-do, South Korea

SP75

THE PAPER AIRPLANE IS BACK!!

Seungjoo Lee

Shepherd International Education, Seoul, South Korea